

Converting Colors

$Yxy(54.2618, 0.2295, 0.2665)$

Have a look what the booklet for
Yxy(54.2618, 0.2295, 0.2665)
contains.

Yxy(54.4601, 0.2296, 0.2670)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(54.4601, 0.2296, 0.2670)

Conversions

Conversions Part 1

Format	Color
Hex	72CDFD
RGB	114, 205, 255
RGB Percent	45%, 80%, 100%
CMY	0.5526, 0.1961, 0.0000
CMYK	0.55, 0.20, 0.00, 0.00
HSL	201°, 100%, 72%
HSV	201°, 55%, 100%
XYZ	46.8316, 54.4601, 102.6787
YIQ	183.4910, -70.2860, -3.7420

Conversions

Conversions Part 2

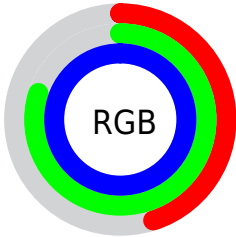
Format	Color
RYB	114, 169, 255
Decimal	7523839
CIELab	78.73, -13.40, -32.80
CIELCh	79, 35.432, 247.777
Yxy	54.4601, 0.2296, 0.2670
Android (android.graphics.Color)	4285713919 (0xFF72CDFF)
YUV	183.4910, 35.2539, -60.9436
Hunter-Lab	73.7971, -15.8689, -30.8361

Details

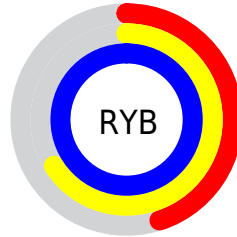
The Yxy color **54.4601, 0.2296, 0.2670** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.0586, 0.4463, 0.3803**, and the grayscale version is **47.4780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7387, 0.2671, 0.3289**, and **26.7913, 0.2100, 0.2513** is the 20% darker color. If you saturate the color by 10%, you get **48.7756, 0.2175, 0.2534**, and if you desaturate by 10%, it is **60.8713, 0.2432, 0.2801**.

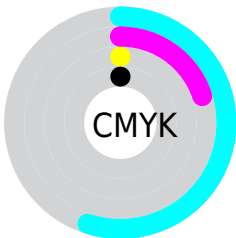
Distribution



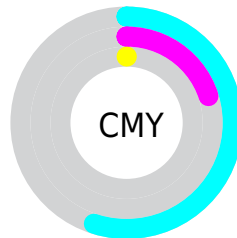
- Red (45%)
- Green (80%)
- Blue (100%)



- Red (45%)
- Yellow (66%)
- Blue (100%)



- Cyan (55%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.4601, 0.2296, 0.2670 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 54.4601, 0.2296, 0.2670 by changing the saturation by 10% instead.

■ 54.4601, 0.2296,
0.2670

■ 54.4601, 0.2296,
0.2670

403.8621, 0.2685,
0.2972

■ 38.9696, 0.2207,
0.2598

■ 96.7495, 0.2431,
0.2777

■ 26.7361, 0.2099,
0.2508

■ 124.3171, 0.2483,
0.2818

■ 17.3751, 0.1962,
0.2393

■ 156.6794, 0.2529,
0.2854

■ 10.5023, 0.1787,
0.2241

194.2205, 0.2568,
0.2884

■ 5.7333, 0.1557,
0.2033

237.3249, 0.2603,
0.2910

■ 2.6836, 0.1247,
0.1738

286.3771, 0.2633,

■ 0.9689, 0.0799,

0.2933

0.1309

341.7613, 0.2660,
0.2954

0.0000, 0.0000,
0.0000

54.4601, 0.2296,
0.2670

54.4601, 0.2296,
0.2670

48.7756, 0.2175,
0.2534

60.8713, 0.2432,
0.2801

43.7734, 0.2072,
0.2396

68.0498, 0.2579,
0.2925

39.4016, 0.1990,
0.2258

76.0320, 0.2733,
0.3041

35.5972, 0.1929,
0.2122

84.8516, 0.2889,
0.3147

33.9525, 0.1905,
0.2059

94.5402, 0.3046,
0.3243

100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.4601, 0.2292, 0.2984



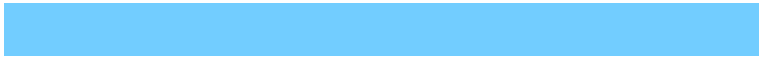
54.4601, 0.2296, 0.2670



54.4601, 0.2500, 0.2540

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



54.4601, 0.2296, 0.2670



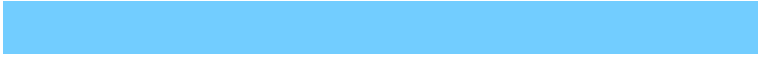
54.4601, 0.3789, 0.3112



54.4601, 0.3326, 0.4122

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



54.4601, 0.2296, 0.2670



49.0586, 0.4463, 0.3803

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



54.4601, 0.3753, 0.4091



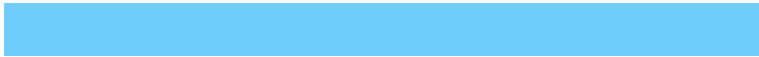
54.4601, 0.2296, 0.2670



54.4601, 0.4042, 0.3485

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



54.4601, 0.2296, 0.2670



54.4601, 0.3350, 0.2795



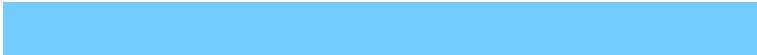
54.4601, 0.4023, 0.3842



54.4601, 0.2864, 0.3874

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.4601, 0.2296, 0.2670



54.4601, 0.2735, 0.2555



54.4601, 0.4023, 0.3842



54.4601, 0.3478, 0.4142

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



54.4599, 0.2296, 0.2670



83.2594, 0.2862, 0.3129



77.7612, 0.2831, 0.4460



17.4334, 0.2830, 0.3108



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



54.4599, 0.2296, 0.2670



48.3850, 0.2167, 0.2524



28.1903, 0.2104, 0.1760



19.3331, 0.2980, 0.3204



18.0329, 0.1912, 0.2081



1.9620, 0.1954, 0.2235

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



37.7190, 0.3690, 0.2388



31.9805, 0.3850, 0.2259



81.2434, 0.4033, 0.4448



18.1845, 0.3193, 0.3138



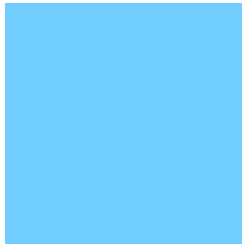
12.5484, 0.4362, 0.2176



1.2426, 0.4195, 0.2085

Previews

White Background



This preview shows how the Yxy color 54.4601, 0.2296, 0.2670 looks on a white background.

Color Contrast Check

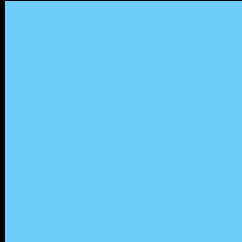
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 54.4601, 0.2296, 0.2670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

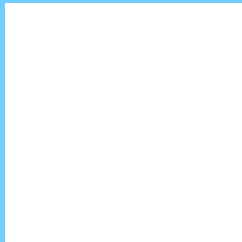
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.4601, 0.2296, 0.2670

Background



This preview shows how black text looks on a background with the Yxy color 54.4601, 0.2296, 0.2670.



This preview shows how white text looks on a background with the Yxy color 54.4601, 0.2296, 0.2670.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

54.4601, 0.2296, 0.2670

Protanopia

53.9951, 0.2680, 0.2672

Deuteranopia

53.9466, 0.2607, 0.2555



Tritanopia

54.5228, 0.2388, 0.3063

Trichromacy



Original Color

54.4601, 0.2296, 0.2670

Protanomaly

53.8400, 0.2514, 0.2666

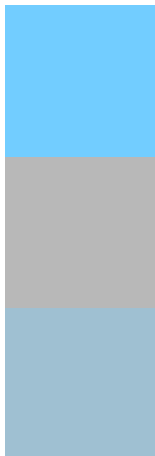
Deuteranomaly

53.6684, 0.2476, 0.2590

Tritanomaly

54.3520, 0.2353, 0.2913

Monochromacy



Original Color

54.4601, 0.2296, 0.2670

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

49.7233, 0.2752, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.4601, 0.2296, 0.2670 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(114, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 205, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(114, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.4601, 0.2296, 0.2670 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(114, 205, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(114, 205, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(114, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(114, 205,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.4601, 0.2296, 0.2670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 205, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(114,  
205, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor